Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-16. (Canceled)

17. (New) An optical disk, comprising digital information stored thereon, which is accessed by an optical disk playing system for playing the optical disk, the stored digital information comprising:

stored media content that is played in coordination with downloadable content associated with the stored media content; and

a public key which is used by the optical disk playing system to verify the authenticity of the downloadable content before the downloadable content is played in coordination with the associated stored media content.

18. (New) The optical disk according to claim 17, wherein the public key is stored in a BCA (Burst Cutting Area) zone of the optical disk.

19. (New) The optical disk according to claim 17, wherein the public key is stored in a media content zone of the optical disk.

20. (New) An optical disk player, comprising:

an optical disk driver unit to read-out media content and a public key stored on an optical disk;

a network interface to download content associated with the read-out media content; and

a control system to verify the authenticity of the downloaded content using the public key read-out from the optical disk before the downloaded content is played in coordination with the associated read-out media content.

21. (New) The optical disk player according to claim 20, wherein the control system detects whether the downloaded content is integral before verification, wherein said verification will not be executed if the downloaded content is detected to not be integral.

22. (New) The optical disk player according to claim 20, wherein the downloaded content is an application program.

23. (New) The optical disk player according to claim 22, wherein the application program is a JAVA language application program.

24. (New) The optical disk player according to claim 20, wherein the control system verifies the authenticity of downloaded content by performing asymmetric cryptography using the public key stored

on the optical disk and a private key of the downloaded content.

25. (New) A method for playing an optical disk, comprising acts of:

reading-out media content and a public key stored on an optical disk;

downloading content associated with the read-out media content;

verifying the authenticity of the downloaded content using the public key read-out from the optical disk before allowing the downloaded content to be played in coordination with the associated read-out media content.

26. (Currently Amended) The method according to claim 25, further comprising acts of:

detecting if the downloaded content is integral; and

executing the verifying act only if the downloaded content is detected to be integral.

27. (New) The method according to claim 25, wherein the downloaded content will not operate if the downloaded content is not authenticated.

28. (New) The method according to claim 27, wherein the downloaded content will operate if the downloaded content is authenticated.

29. (New) The method according to claim 25, wherein the downloaded content is an application program.

30. (New) The method according to claim 29, wherein the application program is a JAVA language application program.

31. (New) The method according to claim 25, wherein verifying the authenticity of the downloaded content comprises an act of performing asymmetric cryptography using the public key read-out from the optical disk and a private key of the downloaded content.

32. (Currently Amended) An optical disk, comprising digital information stored thereon, which is accessed by an optical disk playing system for playing the optical disk, the stored digital information comprising:

network address information that is used by the optical disk playing system to download content for playing the optical disk; and

a public key that is used by the optical disk playing system to verify the authenticity of downloaded content before playing the downloaded content in coordination with content stored on the optical disk.